

DIAGNOSES OF SOLANUM SPECIES (SOLANACEAE)

Hawaiian Plant Studies 163

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The new types are in the Bishop Museum, Honolulu, unless otherwise located.

*Solanum abollatum* sp. nov. (sect. Irenosolanum). Frutex humilis stellati-tomentosus est, petiolis 4-13 mm longis, laminis 1.8-4.3 X 1.3-3.6 cm ovatis subcordatis vadose 4-5-lobatis supra rare in midnervo aculeato, inflorescentia 1-2 cm longa 2-7-florifera, pedunculo 8-12 mm longo, pedicellis 2-3 mm longis, calycibus stellati-tomentosis tubo 1-1.5 mm longo lobis 1.5 mm longis ovatis, corollis 5-6 mm longis stellati-tomentosis 5/6-lobatis. Typus: Lanai I., Aug. 1, 1922, G. C. Munro.

*S. angustior* sp. nov. (sect. Irenosolanum). Frutex stellati-puberulus est, petiolis 3-4.5 cm longis, laminis 10-15.5 X 6-10 cm ellipticis acutis basi cuneata integribus vel cum 1-2 dentibus, inflorescentiis 9-12 cm longis 11-21-floriferis; stellate puberulis, pedunculo 7-8 mm longo, pedicellis 3-18 mm longis, calycibus stellate puberulis tubo 1-1.5 mm longo lobis 1-1.5 mm longis deltoideis, corollis 8 mm longis stellatis 1/3-lobatis. Typus: Kauai I., J. M. Lydgate.

*S. Forbesii* sp. nov. (sect. Torvaria). Frutex stellate puberulus est, petiolis 2-4.5 cm longis inermibus vel aculeatis, laminis 13-21 X 6.8-10.5 cm lanceolatis subintegribus vel dentatis plerumque inermibus, inflorescentia 7.5 cm longa multiflorifera, pedunculo 2-5 cm longo, pedicellis 5-10 mm longis, calycibus stellate puberulis tubo 1.5 mm longo lobis 0.3 mm longis deltoideis, corollis 7-8 mm longis albis stellate puberulis ½-lobatis lobis deltoideis, baccis 8-11 mm diametro viridi-nigris. Typus: Maui I., Kipahulu, C. N. Forbes 1,647.M.

*S. globosum* sp. nov. (sect. Oliganthes). Frutex vel arbor est, novellis stellate puberulis, ramulis glabratis, internodiis aculeatis, petiolis 1-4.2 cm longis inermibus vel aculeatis laminis 5-8.5 X 1.7-8 cm ellipticis integribus vel in midnervo paucis aculeatis, inflorescentia 4.5-8.5 cm longa 9-23-florifera stellate puberula, pedunculo 3 cm longo, pedicellis 6-15 mm longis, calycibus stellate puberulis tubo 1-2.3 mm longo lobis 1-1.5 mm longis lanceolatis, corollis 7-8 mm longis albis stellate puberulis ½-lobatis lobis deltoideis, baccis 13-14 mm diametro luteis. Typus: Lanai I., W. Hillebrand & J. M. Lydgate.

*S. honopuense* sp. nov. (sect. Brevantherum). Frutex decumbens inermis stellate pilosus est, petiolis 6-20 mm longis, laminis 2.5-8.7 X 1.4-2.8 cm subcoriaceis ellipticis acutis inermibus, inflorescentia 2 cm longa 5-9-florifera stellate pilosa, pedunculo 10-15 mm longo, pedicellis 5-7 mm longis, calycibus tomentosus tubo 1-1.3 mm longo lobis 1.6-2 mm longis deltoideis, corollis 5.5-6 mm longis stellate pilosis 3/4-lobatis lobis lanceolatis, baccis 11-13 mm longis ellipsoideis nigris. Typus: Kauai I., Kalalau Trail, C. N. Forbes 1,081.K.

*S. lanaiense* sp. nov. (sect. Oliganthes). Frutex est, ramulis stellate puberulis glabratis aculeatis, petiolis 10-12 mm longishirsutulis, aculeatis, laminis 5.3-6.5 X 2.2-3.5 cm ellipticis denticulatis minute puberulis aculeatis, inflorescentia 3 cm longa 9-florifera racemosa stellate puberula, pedunculo 6-10 mm longo, pedicellis 6-15 mm longis, calycibus glabris tubo 2.3 mm longo lobis 1-1.5 mm longis lanceo-ovatis, corollis 13-14 mm longis stellate puberulis 1/2-lobatis lobis deltoideis, baccis 11 mm diametro badiis. Typus: Lanai I., W. Hillebrand (US).

*S. Lydgatei* sp. nov. (sect. Irenosolanum). Frutex stellate puberulus est, ramulis glabratis, petiolis 1.4-2.3 cm longis, laminis 6-9.4 X 3.5-6.2 cm ovatis subintegribus vel lobatis glabratis, paniculis 1.5-2 cm longis 5-9-floriferis, pedunculo 2.5-4.5 cm longo, pedicellis 3-12 mm longis, calycibus stellate puberulis tubo 1.3 mm longo lobis 1 mm longis deltoideis, corollis 7 mm longis albis stellate puberulis ultra 1/2-lobatis lobis ellipticis, baccis 12 mm diametro badiis. Typus: Sandwich (=Hawaiian) Is., Menzies (BM).

*S. MacDanielsii* sp. nov. (sect. Irenosolanum). Frutex 1 m altus est, ramulis glabratis, novellis stellate puberulis, petiolis 2.2-3.6 cm longis glabratis, laminis 6.5-10.7 X 4.2-7 cm ellipticis dentatis supra glabris, inflorescentia 8.5 cm longa stellate puberula, pedunculo 4.8 cm longo, pedicellis 8-14 mm longis, calycibus stellate puberulis tubo 1.8 mm longo lobis 0.8 mm longis lanceolatis, corollis 6-9 mm longis albisstellate pilosulis 3/4-lobatis lobis lanceolatis, baccis 12-14 mm diametro nigris. Typus: Kauai I., Haupu, L. H. MacDaniels 732.

*S. Nelsoni* Dunal in A. DC., var. *vadosum* var. nov. A var. *Nelsoni* differt in laminis majoribus plerumque late ellipticis subcordatis vadoso lobatis et compluribus infra in midnervo aculeatis. Typus: Hawaii I., Kaulananauna, L. W. Croft 110.

*S. nesophilum* sp. nov. (sect. Irenosolanum). Frutex stellate puberulus est, petiolis 6-13 mm longis, laminis 3-4.8 X 2-4.2 cm coriaceis subovatis subacutis subcordatis 1/5-1/4-lobatis, paniculis 2.5-3 cm longis 21-27-floriferis stellate puberulis, pedunculo 7-8 mm longo, pedicellis

3-7 mm longis, calycibus stellate tomentosus tubo 2 mm longo lobis 1.5-1.8 mm longis deltoideis, corollis 7-8 mm longis albis stellate pilosis  $\frac{1}{2}$ -lobatis lobis ovatis acutis. Typus: Maui I., H. Mann & W. T. Brigham 458 (CU).

*S. Popolo* sp. nov. (sect. *Irenosolanum*). Planta ramosa lignosa est, ramulis stellate puberulis, petiolis 12-22 mm longis stellate hirsutulis, laminis 4.3-7.7 X 2.4-4 cm ellipticis dentatis infra stellate hirsutulis, inflorescentia 3-3.5 cm longa 13-florifera stellate puberula, pedunculo 5-8 mm longo, pedicellis 8-17 mm longis, calycibus stellate puberulis tubo 1.3 mm longo lobis 0.5-0.8 mm longis ovatis, corollis 6.5 mm longis albis stellate puberulis, baccis 8 mm diametro badiis. Typus: Lanai I., W. Hillebrand (US).

*S. pubinervosum* sp. nov. (sect. *Torvaria*). Planta lignosa ramosa subinermis est, ramulis stellate hirsutulis, petiolis 1-4 cm longis stellate hirsutulis, laminis 11-19 X 3.7-8 cm lanceolatis sinuatis vel dentatis infra stellate pilosulis, inflorescentia 6-10 cm longa 11-32-florifera stellate pilosula, pedunculo 20-29 mm longo, pedicellis 14-24 mm longis, calycibus stellate pilosulis tubo 1-1.5 mm longo lobis 3-4 mm longis ovatis, corollis 6-6.5 mm longis stellate pilosulis  $\frac{1}{2}$ -lobatis lobis ovatis, baccis 11 mm diametro subviridibus. Typus: Lanai I., Kaiholea Valley, C. N. Forbes 12.L.

*S. semilobatum* sp. nov. (sect. *Torvaria*). Planta lignosa est, ramulis cum aculeis 2.5-3.5 mm longis compressis, petiolis 15-25 mm longis stellate pilosulis, laminis 8-15.5 X 8-9.2 cm ovatis sinuatis vel vadose lobatis infra stellate pilosulis, corymbis 11-13 cm longis multifloriferae stellate pilosulis, pedunculo 2-4.6 cm longo, pedicellis 10-14 mm longis, calycibus sparse stellate pilosulis tubo 1.3-2 mm longo lobis 1.6-3 mm longis deltoideis, corollis 8 mm longis albis  $\frac{1}{2}$ - $\frac{3}{4}$ -lobatis stellate pilosulis lobis ovatis, baccis 10 mm diametro badiis. Typus: Maui I., W. Hillebrand (US).

*S. tonsum* sp. nov. (sect. *Torvaria*). Planta lignosa est, ramis stellate hirsutulis cum aculeis 2-5 mm longis compressis, petiolis 2-4 cm longis stellate hirsutulis et aculeatis, laminis 9-14.5 X 7-9 cm ovatis subcordatis  $\frac{1}{6}$ - $\frac{1}{4}$ -lobatis infra stellate pilosis midnervo cum vel sine aculeis, cymis 8-9 cm longis multifloriferis stellate pilosulis, pedunculo 4-4.5 cm longo, pedicellis 8-10 mm longis, calycibus 4.5-5 mm longis subglobosis  $\frac{1}{2}$ -lobatis lobis lanceolatis, corollis 7 mm longis stellate pilosulis albis  $\frac{1}{2}$ -lobatis lobis ovatis. Typus: West Maui I., H. Mann & W. T. Brigham 457.